



Exhibitor

CIMSS/SSEC, University of Wisconsin-Madison

The Cooperative Institute for Meteorological Satellite Studies (CIMSS) at the University of Wisconsin-Madison Space Science and Engineering Center (SSEC) has a long history of supporting direct broadcast including the development of the International MODIS/AIRS Processing Package (IMAPP), Community Satellite Processing Packages (CSPP), and CSPP Geo software packages.

IMAPP software supports the Aqua and Terra satellites. The current suite includes Level 1 and Level 2 products (MODIS, AIRS, AMSU), utilities to create MODIS imagery for display within a Web Mapping Service (WMS), a configurable NWP model that assimilates MODIS cloud and moisture products, and a package to create air quality forecast products from MODIS data.

CSPP software supports users in creating Level 1 and Level 2 products from satellites including Suomi NPP, POES, and MetOP. CSPP products include SDR and EDR products (VIIRS, CrIS, ATMS), retrievals from a University of Wisconsin Dual Regression Technique (CrIS, AIRS, IASI), cloud products from CLAVRx (VIIRS, MODIS, AVHRR), ACSPO SST retrievals (VIIRS, MODIS, AVHRR), and NUCAPS (CrIS, ATMS).

CSPP Geo software will be capable of processing GOES Rebroadcast (GRB) data received from the next-generation GOES-R satellite. Capabilities will include Level 2 product generation from Advanced Baseline Imager (ABI) data, as well as from current GOES Imager and Himawari AHI data. Currently available software includes a prototype package to process raw GRB data to produce Level 1 ABI and Level 2 Geostationary Lightning Mapper datasets, and a package to process GOES Imager GVAR data to produce AREA files.

Demonstrations will be given on several software packages throughout the week including displaying products produced at CIMSS/SSEC in AWIPS.

<http://cimss.ssec.wisc.edu/imapp/>

<http://cimss.ssec.wisc.edu/cspp/>

<http://cimss.ssec.wisc.edu/cspgeo/>

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